Full-time with summer course schedule

Description: This program is designed to prepare students for employment or advancement in the fields of industrial design, fabrication, and manufacturing with an emphasis on emerging technologies and strategies. Students will be well equipped to compete in today's job market, as the program combines traditional fabrication tools with new design and fabrication processes. A counselor should be consulted if the student plans to transfer to a four-year institution.

Completion Time: 2 Years

| □ Freshman English I | Year 1 | | Year 2 | |
|---|---|--------------------|---|---|
| Freshman English I Industrial Documentation & TDSN 107 4 Cr. Measurement Introduction to CAD Spring Semester Mathmatics Requirement Geometric Dimensioning & TDSN 125 2 Cr. Tolerancing Tool & Die Design Production TDSN 135 2 Cr. TDSN 251 4 Cr. Integrated Design for Manufacturing Processes INDS 260 2 Cr. Industrial Communications TDSN 103 2 Cr. TOOI & Die Design Forming TDSN 136 2 Cr. TDSN 136 2 Cr. TDSN 250 2 Cr. TDSN 250 3 Cr. TDSN 251 4 Cr. Integrated Design Transfers Integrated Design for TDSN 251 3 Cr. Manufacturing Electives in ATMN, INDS, TDNS, or WELD* 3-4 *Electives as needed to get to 60 credits. | Fall Semester | | Fall Semester | |
| Mathmatics Requirement Geometric Dimensioning & TDSN 125 Tolerancing Tool & Die Design Production Advanced CAD TDSN 251 Cr. Mathmatics Requirement Tool & Die Design Production TDSN 251 ACr. Integrated Design for Manufacturing Electives in ATMN, INDS, TDNS, or WELD* *Electives as needed to get to 60 credits. Summer Session Humanities Requirement American Political System United States History to 1865 HIST 250 Cr. Physical Science PHYS 101 PHYS 101 4 Cr. If student wants PHYS 230, swap with communications requirement Integrated Design for Manufacturing Electives in ATMN, INDS, TDNS, or WELD* *Electives as needed to get to 60 credits. | ☐ Freshman English I ENGL 100 ☐ Industrial Documentation & TDSN 107 Measurement | 3 Cr. 7 4 Cr. | □ Manufacturing Processes INDS 260 □ Industrial Communications TDSN 103 □ Tool & Die Design Forming TDSN 136 | 4 Cr. 2 Cr. 2 Cr. 2 Cr. 3 Cr. |
| □ Geometric Dimensioning & TDSN 125 2 Cr. □ Tool & Die Design Production TDSN 135 2 Cr. □ Advanced CAD TDSN 251 4 Cr. □ Humanities Requirement 3-4 Cr. □ Choose 1 American Political System United States History to 1865 HIST 250 3 Cr. □ Geometric Dimensioning & TDSN 125 2 Cr. □ Choose 1 American Political System POLI 240 3 Cr. United States History to 1865 HIST 250 3 Cr. | Spring Semester | | Spring Semester | |
| □ Humanities Requirement □ Choose 1 American Political System POLI 240 3 Cr. United States History to 1865 HIST 250 3 Cr. | ☐ Geometric Dimensioning & TDSN 125 Tolerancing ☐ Tool & Die Design Production TDSN 135 | 5 2 Cr. 5 2 Cr. | (if student wants PHYS 230, swap with communications requirem □ Tool & Die Design Transfers □ Integrated Design for □ Manufacturing □ Electives in ATMN, INDS, TDNS, or WELD* | 4 Cr. nent) 4 Cr. 3 Cr. 3-4 Cr. |
| Choose 1 American Political System POLI 240 3 Cr. United States History to 1865 HIST 250 3 Cr. | Summer Session | | | |
| American Political System POLI 240 <i>3 Cr.</i> United States History to 1865 HIST 250 <i>3 Cr.</i> | ☐ Humanities Requirement | 3-4 Cr. | | |
| (Even year) (*If student wants HIST 250, swap with communications requirement | American Political System POLI 240 United States History to 1865 HIST 250 (Even year) | 3 Cr. | | |

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Full-time course schedule

Description: This program is designed to prepare students for employment or advancement in the fields of industrial design, fabrication, and manufacturing with an emphasis on emerging technologies and strategies. Students will be well equipped to compete in today's job market, as the program combines traditional fabrication tools with new design and fabrication processes. A counselor should be consulted if the student plans to transfer to a four-year institution.

Completion Time: 2 Years

| Year 1 | | | Year 2 | |
|--|----------------------------------|---|---|---------------------------------------|
| Fall Semester | | | Fall Semester | |
| ☐ Choose 1 American Political System United States History to 1865 (*If student wants HIST 250, swap with com | POLI 240 HIST 250 | | □ Basic Machine Operation □ Manufacturing Processes □ Industrial Communications □ Tool & Die Design Forming □ Humanities Requirement | 60 2 Cr. 03 2 Cr. |
| ☐ Introduction to CAD Spring Semester | TDSN 115 | 4 Cr. | Spring Semester | |
| Tolerancing ☐ Tool & Die Design Production | TDSN 125 TDSN 135 TDSN 251 | 3 Cr. 3-4 Cr. 2 Cr. 2 Cr. 4 Cr. | □ Physical Science (if student wants PHYS 230, swap with communications of the student wants PHYS 230, swap with communications of the student wants PHYS 230, swap with communications of the student wants PHYS 230, swap with communications of the student wants PHYS 1 □ Tool & Die Design Transfers (TDSN 2) □ Integrated Design for (TDSN 2) □ Manufacturing □ Electives in ATMN, INDS, TDNS, or WELDS 200, which is a supplied to the student wants PHYS 1 □ Electives as needed to get to 60 credits. | equirement) 235 4 Cr. 285 3 Cr. |

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Half-time course schedule

Description: This program is designed to prepare students for employment or advancement in the fields of industrial design, fabrication, and manufacturing with an emphasis on emerging technologies and strategies. Students will be well equipped to compete in today's job market, as the program combines traditional fabrication tools with new design and fabrication processes. A counselor should be consulted if the student plans to transfer to a four-year institution.

Completion Time: 4.5 Years

Courses in italics may be taken in the summer term.

| Completion Time. 4.5 Tears | | | |
|--|--|--------------------------------------|---|
| This is suggested course sequenc | ing. Please s | ee a coun | selor or advisor for individual adjustments. |
| Year 1 | | | Year 4 |
| Fall Semester ☐ Success Skills for the 21st Century ☐ Industrial Documentation & Measurement | GNST 100 TDSN 107 | 3 Cr. 4 Cr. | Fall Semester □ Manufacturing Processes INDS 260 2 Cr. □ Humanities Requirement 3-4 Cr. |
| Spring Semester ☐ Freshman English I ☐ Mathmatics Requirement | ENGL 100 | 3 Cr. 3-4 Cr. | Spring Semester ☐ Physical Science PHYS 101 4 Cr. (if student wants PHYS 230, swap with communications requirement) ☐ Integrated Design for TDSN 285 3 Cr. Manufacturing |
| Year 2 | | | Manufacturing |
| Fall Semester ☐ Introduction to CAD ☐ Choose 1 American Political System United States History to 1865 (*If student wants HIST 250, swap with continuous production) | TDSN 115 POLI 240 HIST 250 mmunications rec | 4 Cr. 3 Cr. 3 Cr. quirement | Year 5 Fall Semester ☐ Industrial Communications TDSN 103 2 Cr. ☐ Electives in ATMN, INDS, TDNS, or WELD* 3-4 Cr. *Electives as needed to get to 60 credits. |
| Spring Semester Geometric Dimensioning & Tolerancing Tool & Die Design Production Communication Requirement | TDSN 125 TDSN 135 | 2 Cr. 2 Cr. 3 Cr. | |
| Year 3 | | | |
| Fall Semester ☐ Basic Machine Operation ☐ Tool & Die Design Forming | INDS 129 TDSN 136 | 4 Cr. 2 Cr. | Academic Advising: You should meet with an academic counselor prior to registering for classes. |
| Spring Semester ☐ Advanced CAD ☐ Tool & Die Design Transfers | TDSN 251 TDSN 235 | 4 Cr. 4 Cr. | Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs. |

Total Minimum Credits: 60

Full-time spring start course schedule

Description: This program is designed to prepare students for employment or advancement in the fields of industrial design, fabrication, and manufacturing with an emphasis on emerging technologies and strategies. Students will be well equipped to compete in today's job market, as the program combines traditional fabrication tools with new design and fabrication processes. A counselor should be consulted if the student plans to transfer to a four-year institution.

Completion Time: 2 Years

| Year 1 | | | Year 2 | |
|---|----------------------|---|---|-------------------------|
| Spring Semester | | | Spring Semester | |
| □ Success Skills for the 21st Century □ Freshman English I □ Humanities Requirement □ Choose 1 American Political System United States History to 1865 (Even year) (*If student wants HIST 250, swap with con | POLI 240 HIST 250 | 3 Cr. 3 Cr. 3-4 Cr. 3 Cr. 3 Cr. | □ Geometric Dimensioning & TDSN 125 Tolerancing □ Tool & Die Design Production TDSN 135 □ Advanced CAD TDSN 251 □ Physical Science PHYS 101 (if student wants PHYS 230, swap with communications | 2 Cr. 4 Cr. 4 Cr. |
| Fall Semester | | | Fall Semester | |
| ☐ Mathmatics Requirement | | 3-4 Cr. | ☐ Basic Machine Operation INDS 12 | 9 4 Cr. |
| ☐ Industrial Documentation & | TDSN 107 | 4 Cr. | ☐ Manufacturing Processes INDS 26 | 2 Cr. |
| Measurement | | | ☐ Industrial Communications TDSN 10 | 3 <i>2 Cr</i> . |
| ☐ Introduction to CAD | TDSN 115 | 4 Cr. | ☐ Tool & Die Design Forming TDSN 13 | 6 2 Cr. |
| | | | ☐ Communication Requirement | 3 Cr. |
| | | | Year 3 | |
| | | | Spring Session | |
| | | | ☐ Tool & Die Design Transfers TDSN 23 | 5 <i>4 Cr</i> . |
| | | | ☐ Integrated Design for TDSN 28 Manufacturing | 5 <i>3 Cr</i> . |
| | | | ☐ Electives in ATMN, INDS, TDNS, or WELD* | 3-4 Cr. |
| | | | *Electives as needed to get to 60 credits. | |

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.